

Senator M Nofs

I wish to offer my thoughts to you and the Senate Energy Committee further thoughts from what I offered on August 24..

I hear talk that any feed in tariff rate might be a "wholesale" rate

I believe it should be much more and here is my reasoning and proposed kwh rate and fixed charges..

Message to MI Energy Committee Sept 3, 2015

To whom it may concern,

I believe there is strong justification for SV (Solar Voltaic) folks in a feed-in tariff to receive extra compensation, a premium, for at least these three reasons. I suspect there will never be a carbon tax added to conventional generated electricity. I believe a dollar amount equivalent should be added to distributed SV compensation.

Examples for DTE and Consumers Energy. Below that are my observation I sent on August 24.

First; Because SV electricity is "clean" without CO2 gas or other green house gas or human health damaging emissions. A web search of Wikipedia finds that a CO2 average compensation for coal generated electricity is \$0.01200 kwh and for Natural gas generated electricity \$0.006600 kwh. Because there are no CO2 emissions from the mining and delivery of coal I say at least \$0.012000 kwp is an appropriate credit to be applied to S/V electricity.

Second; SV emits zero health emissions because no fossil fuel is burned in the power plant or emissions from the mining of coal and its transportation by diesel power trains. Also eliminated are emissions at the natural gas drilling site or from drilling and transporting of the fuel. I could not find any dollar amount for these health issues I am using the same figure as for CO2

Third; I am a Consumers Energy customer and they charge me a second System Access fee for a second meter. Now that I am the supplier and picking up this cost I deserve to be rewarded this fee. I also believe I paid for this meter at hook up time.

Here is my review, line by line of my Consumers Power utility Bill.

PSCR is a charge by C.E. for generation transmission and deliver. This charge is the same for every customer whether that customer is next door to the power plant or the customer is the very furthest from the power plant. SV electric producers engineered bought and paid for their SV system and will pay for all maintenance to their system and supporting structure as long as they supply electricity through their yes small but significant wire system to the grid. Therefore deserve this credit.

Distribution; The SV producer will also deliver to the utility company through its service box and admittedly a short line to the utilities meter. The electricity delivered to the grid is immediately used by the producer and their neighbors with very minimal line loss therefore reducing significantly the line loss associated with electricity delivered from the distant power plant that this charge is for. Therefore the SV supplier deserves this credit as much as the utility does.

Electric interim surcharge: "Public Service Commission Allowance" is a temporally allowed rate charge based on a requested rate increase but not yet allowed. SV suppliers deserve this too

because there will be cost increases for them over time as inflation increases all costs for storm damages, insurance, equipment upkeep, replacement etc.

Energy efficiency: This is for the utilities education of customers about energy efficiency! This should be allowed because SV folks continually tell folks about the value of clean solar produced electricity. Often speaking at gathering spending their time and travel expenses. Such as, reduction of global warming and health hazard emissions. It is further advertised by being visible every day on our roofs or stand alone systems.

Securitization: Building and equipment maintenance charge. A S/V supplier of electricity has all of these charges in one way or another. Panel replacement, inverter replacement, structure upkeep, continued tree branch or tree removal as trees grow and the obstruction the sun from their panels.

Securitization Tax; This tax credit is also deserved because we must buy our generated electricity back from the utility and then pay the tax.

Here are two examples of utilities billings based on my analysis;

DTE rational;

Other Power Supply Surcharge (could be what C.E. calls System access).....\$5.83 monthly

on-peak rate /kwh.....	\$0.1237096	
other power /kwh	\$0.0029796	
Distribution/kwh	\$0.06238	
Energy Optimization.....	\$0.00276	
Other deliver surcharges...	\$0.00465	
Carbon advantage	\$0.012000 kwh	We deserve this credit because S/V has zero CO2 emissions
Carbon advantage	\$0.00600 kwh	for Natural Gas has 1/2 the CO2 impact as coal
Emission advantage	\$0.012000 kwh	(based on "carbon advantage coal I could not find a dollar figure for health issues/early deaths)
Total per kwh	\$0.22648	

Consumers Energy;

System Access, a fixed monthly of \$7.00 plus energy use total

Fed into the grid kwh.....	\$0.118791	I think this may be close to an on-peak charge
PCSR /kwh.....	\$0.001940	
Distribution /kwh.....	\$0.04379	
Interim surcharge.....	\$0.004049	
Energy efficiency.....	\$0.002843	
Securitization	\$0.001708	
Securitization Tax.....	omit	
Power plant securitization	\$0.001187	Solar panels, inverter etc.
Low income	omit	
Carbon advantage	\$0.012000 kwh	We deserve this credit because S/V has zero CO2 emissions
Carbon advantage	\$0.00600 kwh	for Natural Gas has 1/2 the CO2 impact as coal
Emission advantage	\$0.012000 kwh	(based on "carbon advantage coal I could not find a dollar figure for health issues/early deaths)

Total per kwh for S/V\$0.204308

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